

AMENDMENTS TO THE CLAIMS

1-26 (Cancel)

27. (Currently Amended) A method of re-keying a lock cylinder comprising:
- inserting a first key into said lock cylinder, said first key operable to allow rotation of an inner cylinder relative an outer cylinder;
 - providing a lock assembly having a longitudinal axis, the lock assembly being operable to lock said inner cylinder to said outer cylinder and including a plurality of pin assemblies, each of the plurality of pin assemblies including an upper pin, upper shear cylinder, lower pin, and lower shear cylinder, the upper and lower pins and the upper and lower shear cylinders of each of the plurality of pin assemblies cooperating to define a shear interface, at least one of the plurality of shear interfaces being disposed at a different transverse distance relative to the remaining shear interfaces;
 - translating a first lock pin within said upper shear cylinder and out of engagement with an upper lock rack;
 - engaging said first lock pin with said upper shear cylinder and said upper pin;
 - translating a second lock pin within said lower shear cylinder and out of engagement with a lower lock rack;

engaging said second lock pin with said lower shear cylinder and said lower pin;

removing said first key;

providing a force to said upper shear cylinder, said force operable to set said upper and lower shear cylinders in a first position relative said upper and lower lock racks;

inserting a second key into said lock cylinder, said second key including an engagement surface operable to engage said ~~second~~ lower pin;

positioning said upper shear cylinder, upper pin, lower shear cylinder, and lower pin relative said upper and lower lock racks via said second key;

disengaging said ~~upper~~ first lock pin from said upper pin;

engaging said first lock pin with said upper lock rack and said upper shear cylinder;

disengaging said second lock pin from said lower pin;

engaging said second lock pin with said lower lock rack and said lower shear cylinder.

28. (Canceled)

29. (Original) The method according to claim 27 wherein said force is applied by a spring.

30-31. (Cancel)